

WHAT IS CLAIMED IS:

1. A vertical axis windmill in which vertically long blades are arranged around a vertical main shaft, characterized in that:
5 a tilted part is formed at upper and lower ends respectively, a chord length of the blade being set to 40 to 55 % of a radius of rotation of the blade.
2. A vertical axis windmill as claimed in claim 1 wherein the tilted
10 part of said blade is inclined at an angle of 30 to 40 degrees with respect to a vertical axis, the end of the blade being elliptical.
3. A vertical axis windmill as claimed in claim 1 or 2 wherein the blades are provided on said vertical main shaft, said blades being
15 disposed at regular angles vertically so that the blades are positioned at regular angles around the vertical main shaft in a top plan view.
4. A vertical axis windmill as claimed in any one of claims 1 to 3 wherein said blades in the same level are different from each other in
20 distance from the vertical main shaft.
5. A vertical axis windmill as claimed in any one of claims 1 to 4 wherein a plurality of vertical main shafts are arranged horizontally in a support frame of the windmill.